

Standing Requirements

SLO/Performance Indicator

Computer Integrated Manufacturing Department Student Learning Outcomes

1. Apply engineering knowledge

Performance Indicator	Mapping
1a. The student will demonstrate an ability to apply the knowledge, techniques, skills, and modern tools of the discipline to narrowly-defined engineering technology activities	Lakeland Learning Outcomes: 1, 2
1b. The student will demonstrate an ability to apply a knowledge of mathematics, sciences, engineering, and technology to engineering technology problems that require limited application of principles but extensive practical knowledge	Lakeland Learning Outcomes: 1, 2
1c. The student will demonstrate an ability to conduct standard tests and measurements, and to conduct, analyze, and interpret experiments	Lakeland Learning Outcomes: 1, 2, 4, 5, 6a, 6b, 7, 8a, 8b

2. Effective Team Member

Performance Indicator	Mapping
2. The student will demonstrate an ability to function effectively as a member of a technical team.	Lakeland Learning Outcomes: 20a, 20b, 21

3. Problem-solving

Performance Indicator	Mapping
3. The student will demonstrate an ability to identify, analyze, and solve narrowly defined engineering technology problems	Lakeland Learning Outcomes: 4, 5, 6a, 6b, 7, 8a

4. Communication

Performance Indicator	Mapping
4. The student will demonstrate an ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature.	Lakeland Learning Outcomes: 10, 11, 12, 12b, 14, 15a, 15b, 16, 17, 9b

5. Professionalism

Performance Indicator	Mapping
5a. The student will demonstrate an understanding of the need for and an ability to engage in self-directed continuing professional development	Lakeland Learning Outcomes: 1, 2, 3
5b. The student will demonstrate an understanding of and a commitment to address professional and ethical responsibilities, including a respect for diversity	Lakeland Learning Outcomes: 18a, 18b
5c. The student will demonstrate a commitment to quality, timeliness, and continuous	Lakeland Learning Outcomes: 1, 2, 3

improvement

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